

Form PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF PRIOR ART
CITED BY APPLICANT

(Use several sheets if necessary)



Atty. Docket No.

11373

Serial No.

09/051,843

Applicant

Tracy Willson, et al.

Filing Date

October 23, 1996 (Int'l)

Group

1801 1646

U. S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
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	AB						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AG							
	AH							
	AI							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

NJP	AJ	Zurawski G., et al., "Interleukin 13, an interleukin 4-like cytokine that acts on monocytes and B cells, but on T cells", <u>Immunology Today</u> , Vol. 15, No. 1, 1994, pp. 19-26.
	AK	
	AL	
	AM	

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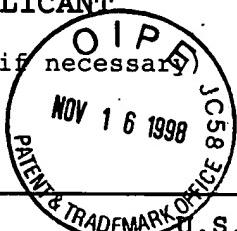
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4/7/96

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MH	AG	WO97/20926	06/12/97	PCT	—	—		
	AH							
	AI							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MH	AJ	Hilton, et al. (January 1996) "Cloning and Characterization of a Binding Subunit of the Interleukin 13 Receptor that is also a Component of the Interleukin 4 Receptor", <u>Proc. Natl. Acad. Sci. USA</u> 93:497-501.
	AK	Matthews, et al. (January 1, 1995) "Function of the Interleukin-2 (IL-2) Receptor γ -Chain in Biologic Responses, of X-Linked Severe Combined Immunodeficient B Cells to IL-2, IL-4, IL-13 and IL-15", <u>Blood</u> 85(1):38-42.
	AL	Miloux, et al. (1997) "Cloning of the Human IL-13R α 1 Chain and Reconstitution with the IL-4R α of a Functional IL-4/IL-13 Receptor Complex", <u>FEBS Letters</u> 401:163-166.
	AM	Obiri, et al. (April 14, 1995) "Receptor for Interleukin 18: Interaction with Interleukin 4 by a Mechanism that does not Involve the Common γ Chain Shared by Receptors for Interleukins 2, 4, 7, 9 and 15", <u>The Journal of Biological Chemistry</u> 270(16):8797-8804.

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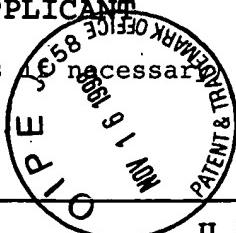
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NSR	AJ	Obiri, et al. "The IL-13 Receptor Structure Differs on Various Cell Types and may Share More than One Component with IL-4 Receptor", <u>The Journal of Immunology</u> :756-764.
	AK	Smerz-Bertling, et al. (January 13, 1995) "Both Interleukin 4 and Interleukin 13 Induce Tyrosine Phosphorylation of the 140-kDa Subunit of the Interleukin 4 Receptor", <u>The Journal of Biological Chemistry</u> 270(2):966-970.
	AL	Vita, et al. (February 24, 1995) "Characterization and Comparison of the Interleukin 13 Receptor with the Interleukin 4 Receptor on Several Cell Types", <u>The Journal of Biological Chemistry</u> 270(8):3512-3517.
↓	AM	Zhang, et al. (April 4, 1997) "Identification, Purification and Characterization of a Soluble Interleukin (IL)-13-Binding Protein", <u>The Journal of Biological Chemistry</u> 272(14):9474-9480.

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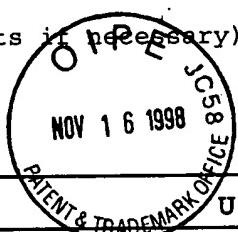
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N/A	AJ	Zurawski, et al. (1993) "Receptors for Interleukin-13 and Interleukin-4 are Complex and Share a Novel Component that Functions in Signal Transduction", <u>The EMBO Journal</u> 12(7):2663-2670.
✓	AK	Zurawski, et al. (June 9, 1995) "The Primary Binding Subunit of the Human Interleukin-4 Receptor is also a Component of the Interleukin-13 Receptor", <u>The Journal of Biological Chemistry</u> 270(23):13869-13878.
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Niraj S Baru

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INFORMATION DISCLOSURE CITATION
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Docket Number (Optional)

11373

Application Number

09/051,843

Applicant(s)

Tracy Willson et al.

Filing Date

April 22, 1998

Group Art Unit

to be assigned 1646

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER SEP 08 1998 JC25	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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AL							
AM							
AN							
AO							
AP							

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

N) S	AQ	N.A. Nicola (1994) <i>Guidebook to Cytokines and Their Receptors</i> Oxford University Press: New York, New York.
NM	AR	N. Vita et al. (1995) "Characterization and Comparison of the Interleukin 13 Receptor With the Interleukin 4 Receptor on Several Cell Types" <i>The Journal of Biological Chemistry</i> 270 (8): 3512-3517.

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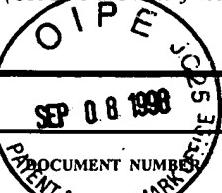
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Group Art Unit

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
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BL	WO 96/11213	4/18/96	PCT				✓
BM							
BN							
BO							
BP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

WJB	BQ	N. Harada et al. (1990) "Expression Cloning of a cDNA Encoding the Murine Interleukin 4 Receptor Based on Ligand Binding" <i>Proc. Nat'l. Acad. Sci. USA</i> 87: 857-861.
NSM	BR	D. Caput et al. (1996) "Cloning and Characterization of a Specific Interleukin (IL)-13 Binding Protein Structurally Related to the IL-5 Receptor Alpha Chain" <i>Journal of Biological Chemistry</i> 271 (28): 16921-16926.

EXAMINER

Norman S. Ban

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4/7/98

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